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(71) Applicant (for all designated States except US):
AORTECH INTERNATIONAL PLC [GB/GB];
Phoenix Crescent Business Park, Bellshill ML4 3NJ (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BEITH, Jason
[GB/US]; Edwards Lifescience, On edwards Way, Irvine,
CA 92614 (US).

(74) Agent: MURGITROYD & COMPANY; Scotland
House, 165-169 Scotland Street, Glasgow G5 8PL (GB).

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(54) Title: BLOOD REGULATION DEVICE

(57) Abstract: The present invention relates to a cardiovascular stent (18) including a generally tubular body and a synthetic valve (22) capable of moving from a first open position to a second closed position wherein, in use, the stent is located between a first compartment and a second compartment and movement of blood in one direction causes the valve to move to an open position and movement of blood in a second opposite direction causes the valve to move to a closed position. In particular a stent is provided to connect the left ventricle of the heart to a coronary artery which allows blood to flow through the stent from the left ventricle of the heart into a coronary artery, but minimises reflux of blood from the coronary artery to the left ventricle of the heart.

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